

Converting Colors

CIELCh(55, 49.951, 284.059)

Have a look what the booklet for
CIELCh(55, 49.951, 284.059)
contains.

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Color

CIELCh(55, 50.346, 284.309)

Conversions

Conversions Part 1

Format	Color
Hex	5A81D8
RGB	90, 129, 216
RGB Percent	35%, 51%, 85%
CMY	0.6458, 0.4931, 0.1518
CMYK	0.58, 0.40, 0.00, 0.15
HSL	221°, 62%, 60%
HSV	221°, 58%, 85%
XYZ	24.5621, 22.9298, 68.2913
YIQ	127.2570, -51.1710, 18.7890

Conversions

Conversions Part 2

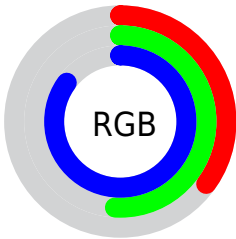
Format	Color
R_{YB}	90, 120, 216
Decimal	5931480
CIE _{Lab}	55.00, 12.44, -48.78
CIE _{LCh}	55, 50.346, 284.309
Yxy	22.9298, 0.2121, 0.1980
Android (android.graphics.Color)	4284121560 (0xFF5A81D8)
YUV	127.2570, 43.7503, -32.6744
Hunter-Lab	47.8851, 7.7604, -51.0368

Details

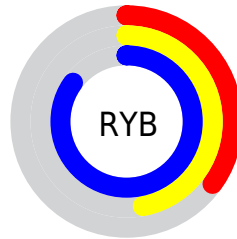
The CIELCh color **55, 50.346, 284.309** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **74, 49.259, 85.275**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 40.716, 280.610**, and **35, 50.853, 284.685** is the 20% darker color. If you saturate the color by 10%, you get **50, 59.725, 287.373**, and if you desaturate by 10%, it is **60, 41.229, 281.607**.

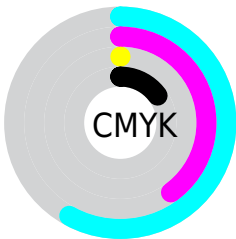
Distribution



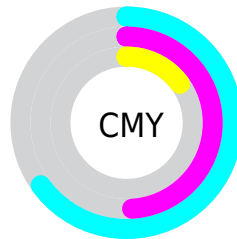
- Red (35%)
- Green (51%)
- Blue (85%)



- Red (35%)
- Yellow (47%)
- Blue (85%)



- Cyan (58%)
- Magenta (40%)
- Yellow (0%)
- Black (15%)





- Cyan (65%)
- Magenta (49%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 50.346, 284.309 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 55, 50.346, 284.309 by changing the saturation by 10% instead.


 55, 50.346,
284.309


 55, 50.346,
284.309


 100, 50.346,
284.309


 45, 50.346,
284.309


 75, 50.346,
284.309

 35, 50.346,
284.309

 85, 50.346,
284.309

 25, 50.346,
284.309

 95, 50.346,
284.309

 15, 50.346,
284.309

 5, 50.346, 284.309

 0, 50.346, 284.309

■ 55, 50.346,
284.309

■ 55, 50.346,
284.309

■ 50, 59.725,
287.373

■ 60, 41.229,
281.607

■ 45, 69.375,
290.737

■ 66, 32.342,
279.266

■ 41, 79.210,
294.263

■ 71, 23.651,
277.260

■ 37, 88.963,
297.706

■ 77, 15.135,
275.548


■ 36, 90.642,
298.256

■ 82, 6.780, 274.098

■ 87, 1.419, 92.632

■ 93, 9.467, 91.683

■ 98, 16.662,
100.985

 99, 19.569,
108.697

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55, 50.346, 284.309



74, 49.259, 85.275

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55, 50.346, 284.309



55, 50.346, 334.309



55, 50.346, 104.309



55, 50.346, 154.309

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55, 50.345, 284.310



89, 16.103, 275.378



79, 45.357, 168.185



46, 10.791, 275.698



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 50.345, 284.310



57, 70.235, 288.160



47, 74.043, 303.380



42, 4.635, 274.254



28, 74.771, 297.690



4, 21.702, 285.314

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56, 53.121, 3.890



60, 71.071, 7.469



83, 63.387, 113.485



42, 4.931, 356.163



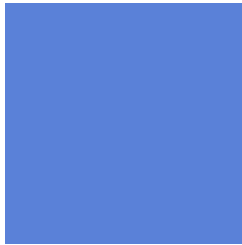
36, 64.562, 19.919



5, 22.308, 5.763

Previews

White Background



This preview shows how the CIELCh color 55, 50.346, 284.309 looks on a white background.

Color Contrast Check

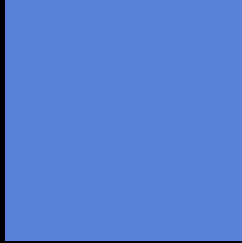
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 50.346, 284.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

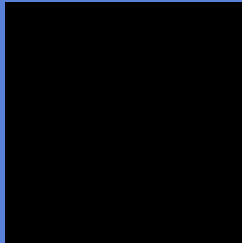
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 50.346, 284.309

Background



This preview shows how black text looks on a background with the CIELCh color 55, 50.346, 284.309.



This preview shows how white text looks on a background with the CIELCh color 55, 50.346, 284.309.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


55, 50.346, 284.309

Protanopia

55, 50.179, 286.134

Deuteranopia

55, 49.176, 279.623



Tritanopia
55, 24.560, 212.356

Trichromacy



Original Color
55, 50.346, 284.309

Protanomaly
55, 50.241, 285.621

Deuteranomaly
55, 49.520, 281.310

Tritanomaly
55, 28.152, 251.686

Monochromacy



Original Color
55, 50.346, 284.309

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 18.945, 277.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 50.346, 284.309 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(90, 129, 216)` looks like.

```
.text, #text, p{  
    color:rgb(90, 129, 216)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(90, 129, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 129, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 50.346, 284.309 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(90, 129, 216) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(90, 129, 216) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(90, 129, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 129, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 129, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 129,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 50.346, 284.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 129, 216) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(90, 129,  
216) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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